

Abstract

A pharmaceutical preparation comprising:

- (a) an active substance comprising a tiotropium salt, in a concentration based on tiotropium of between 0.0005 and 5% by weight;
- (b) a solvent selected from water or a water/ethanol mixture;
- (c) acid for achieving a pH between 2.0 and 4.5; and
- (d) a pharmacologically acceptable preservative,

optionally including a pharmacologically acceptable complexing agent, stabilizer, a pharmacologically acceptable cosolvent, or other pharmacologically acceptable adjuvants and additives; a method for administering a pharmaceutical preparation by nebulizing the pharmaceutical preparation in an inhaler, and a method of treating asthma or COPD in a patient using the pharmaceutical preparation.